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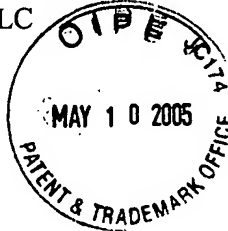
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20987 7590 02/11/2005

VOLENTINE FRANCOS, & WHITT PLLC
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RESTON, VA 20190



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05/11/2005 MBEYEN2 00000200 10773464

01 FC:1501 1400.00 OP
 02 FC:1504 300.00 OP
 03 FC:8001 12.00 OP

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/773,464	02/09/2004	Hi-Choon Lee	SEC.1108	3599

TITLE OF INVENTION: SEMICONDUCTOR MEMORY DEVICE HAVING HIGH-SPEED INPUT/OUTPUT ARCHITECTURE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	05/11/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
HOANG, HUAN	2827	365-233000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
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1 Volentine Francos & Whitt
 PLLC
 2 _____
 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE Samsung Electronics Co., Ltd. (B) RESIDENCE: (CITY and STATE OR COUNTRY) Suwon-si, Gyeonggi-do, Republic of Korea

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

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5. Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature *[Signature]*
 Typed or printed name Adam C. Volentine

Date May 10, 2005
 Registration No. 33289

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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TRANSMITTAL OF PAYMENT OF ISSUE FEE (Large Entity)

(37 C.F.R. 1.311)

Docket No.

SEC.1108

Applicant(s): Hi-Choon Lee

Application No.

10/773,464

Filing Date

02/09/2004

Examiner

Hoang, Huan

Customer No.

20987

Group Art Unit

2827

Confirmation No.

3599

Invention: SEMICONDUCTOR MEMORY DEVICE HAVING HIGH-SPEED INPUT/OUTPUT ARCHITECTURE

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COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

Transmitted herewith are the following for the above-identified application.

☒ Issue Fee Transmittal Form PTOL-85☒ Utility Fee: \$ 1400.00☐ Design Fee: _____☐ Plant Fee: _____☒ Publication Fee: \$ 300.00☒ A check in the amount of \$1,712.00 is attached.☒ The Director is hereby authorized to charge and credit Deposit Account No. 50-0238 as described below.☐ Charge the amount of☒ Credit any overpayment.☒ Charge any additional fee required.☐ Payment by credit card. Form PTO-2038 is attached.

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Signature

Dated: MAY 10, 2005

ADAM C. VOLENTINE

REG. NO. 33289

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